Did 617. No 8502-1-

	Bepartment of Commerce and Kabor							
, L	COAST AND GEODETIC SURVEY							
	ON. Littmann							
1	Superintendent.							
100	State: Alaska							
	DESCRIPTIVE REPORT.							
	7 fyd: Sheet No. 3/8/							
	LOCALITY:							
	Hushagak Bay-							
	Hestern Part-							
	Michael Hills to							
	Pierro							
	1969							
	CHIEF OF PARTY:							
0	#6. Dibrill							
<u>_</u>	В							

C. E. G. SUTTEY,
LIBRARY AND ARGRAYSS

JUL 2 7 1910

Acc. 87

For general refort, see 945 SX 1909 II acc. 7. 64227.

DEPARTMENT OF COMMERCE AND LABOR

Coast and Geodetic Survey

O.H.Tittmann, Sup't.

JUL 2 7 1910

Hydrographic Sheet No. 3/8/...
(Field Sheet No.5)

Nushagak Bay, Western Part, Nichols Hills To Riv @ ALASKA

Steamer EXPLORER

Assistant Walter C. Dibrell, Chief of Party

Begun..... July 30

Completed..; August 14

1909

SCALE 1 - 20 000

Hydrography in charge of A. R. Hunter, Watch Officer Positions and Soundings plotted on boat sheet by

A. R. Hunter, Watch Officer.

Projection by P.C.Whitney, Ass't. & A.C. Baldwin, Aid.

Positions plotted on smooth sheet by A.C.Baldwin, Aid.

Soundings (x day and z day) plotted on smooth sheet by

W. B. Dunning, Aid.

CHERARY AND ARCHIVES

OBSERVERS

A. R. Hunter, Watch Officer

R. H. Hawkes, Surgeon

W. B. Dunning, Aid

RECORDERS

William Duker, Wr. 2 cl.

LEADSMEN

Emil Moen, Q.M. 1st cl.

B. Ramberg, " " 2nd

John Hanson," "

TIDE OBSERVER

Ed. Callawayt, Seaman

Tide gauge at Clark's Point

This sheet shows a portion of the hydrographic development along the western side of the outer part of Nushagak Bay. The soundings cover an area about 5 miles long and from 4 1/2 to 5 1/2 miles wide. The work joins sheet #3 on the northern side and #4 on the eastern and southern sides.

- 2. On account of lack of time the sheet is transmitted incomplete. All of the positions and about one third of the soundings have been plotted.
- 3. The field work was done with motor launch #38. It is all hand lead work. The lines are approximately normal to the shoreline and are spaced about 300 meters apart.
- 4. On the lower part of the sheet the depth is regular and shoals gradually from the outer ends of the lines toward the shore. The depth here is practically all three fathoms or less at low water. The northwestern part of the sheet is crossed obliquely by the channel leading out from the Igushik River. This part of the sheet has not been plotted and the original records have been forwarded to the office at the time this report is written, so it cannot be stated what depth is found in the channel. It is believed, however, that the portion on this sheet will carry about four fathoms at low water.
 - 5. On the western side of the channel mentioned in last paragraph the water is shoal to the shore. On the eastern side is a

narrow ridge forming the terminus of the large flat extending southward from the low peninsula lying on the eastern side of the Igushic River. The ridge ends a short distance below the north-eastern corner of the soundings shown on this sheet, and a small patch somewhere near the margin of the work was observed to bare at the low tides.

Respectfully submitted,

Assistant, C. & G. Survey, Chief of Party.

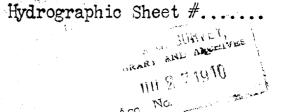
To the Superintendent,

Coast and Geodetic Survey,

Washington, D. C.

Unalaska, Alaska, May 16, 1910.

STATISTICS



		Sales of the sales					Company of the Control of the Contro
, 1909 Cate		Marie Carlos	Let	Miles Stat.	Sdgs.	. Angles	Boat
		. Vol.					
July	30	11	se e	34.0	841	222	Launch
Aug.	5	11	y	17.5	491	126	u
≠ µ	11	11	a	12.0	-330	88	u
±u	12	12	ls'	29.5	654	188	tt
n	14	12	-c'	44.0	1005	274	u
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5		2	5	137.0	3321	898	

AREA 26.5 Sq. Stat. Miles

Nushagak Bay, Nichols Hills to Riv o, Alaska, by Asst. W. C. Dibrell in 1909.

TIDES.

. 1			Clark Point
Mean lower low water, plane of reference	or	staff	1.9
Lowest tide observed	n	II je	-0.2
Highest " "	Ħ	n .	24.0
Mean range of tide			15.2

AUG 31 1910
TIDAL DIVISION.

Tycl Skat do 3181 Oct 4 1910 Or the defthe over this are are very migden it would have much better to have used a system of live correct perfendicular to each other. The words were heft in a clear and satisfactory

Hermene